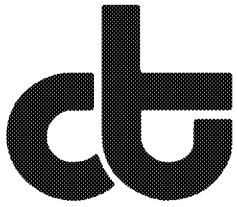


Curtis & Tompkins, Ltd.
Analytical Laboratories, Since 1878



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2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

Laboratory Job Number 289614
ANALYTICAL REPORT

USEPA Region 9, P-3-1
1337 So. 46th
Richmond, CA 94804-4698

Project : R17N02
Location : Spring 2017 OCS Sampling
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
PLATFORM EDITH	289614-001
PLATFORM GILDA	289614-002
PLATFORM GINA	289614-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Tracy Babjar
Project Manager
tracy.babjar@ctberk.com
(510) 204-2226 Ext 13107

Date: 06/08/2017

CA ELAP# 2896, NELAP# 4044-001

CASE NARRATIVE

Laboratory number: 289614
Client: USEPA Region 9, P-3-1
Project: R17N02
Location: Spring 2017 OCS Sampling
Request Date: 06/06/17
Samples Received: 06/06/17

This data package contains sample and QC results for three water samples, requested for the above referenced project on 06/06/17. The samples were received cold and intact.

Total Oil & Grease (HEM) (EPA 1664A):

Matrix spikes were not performed for this analysis due to insufficient sample volume. Samples were analyzed outside of the EPA recommended hold time and the results are therefore flagged with a "b". No analytical problems were encountered.

289614

CHAIN OF CUSTODY RECORD

[illegible]

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

9-3565

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 289614 Date Received 6/6/17 Number of coolers 1
 Client ENVIRONMENTAL PROTECTION AGENCY Project SPRING 2017
 Date Opened 6/6/17 By (print) BJA (sign) BJA
 Date Logged in 6/6/17 By (print) DC (sign) [Signature]
 Date Labelled 6/6/17 By (print) em (sign) [Signature]

1. Did cooler come with a shipping slip (airbill, etc) _____ YES (NO)
 Shipping info _____

2A. Were custody seals present? ☐ YES (circle) on cooler on samples ☒ NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) _____ YES NO

6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☐ Bags ☒ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: ☒ Wet ☐ Blue/Gel ☐ None Temp(°C) 1.6

☐ Temperature blank(s) included? ☐ Thermometer# _____ ☒ IR Gun# B

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES (NO)

If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO

10. Are there any missing / extra samples? _____ YES NO

11. Are samples in the appropriate containers for indicated tests? _____ YES NO

12. Are sample labels present, in good condition and complete? _____ YES NO

13. Do the sample labels agree with custody papers? _____ YES NO

14. Was sufficient amount of sample sent for tests requested? _____ YES NO

15. Are the samples appropriately preserved? _____ YES NO N/A

16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A

17. Did you document your preservative check? (pH strip lot# _____) YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A

20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

21. Was the client contacted concerning this sample delivery? _____ YES (NO)

If YES, Who was called? _____ By _____ Date: _____

COMMENTS _____

Detections Summary for 289614

Results for any subcontracted analyses are not included in this summary.

Client : USEPA Region 9, P-3-1
Project : R17N02
Location : Spring 2017 OCS Sampling

Client Sample ID : PLATFORM EDITH Laboratory Sample ID : 289614-001

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Oil & Grease (HEM)	7.02	J,b	8.77	2.98	mg/L	TOTAL	1.754	EPA 1664A	METHOD

Client Sample ID : PLATFORM GILDA Laboratory Sample ID : 289614-002

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Oil & Grease (HEM)	51.9	b	6.94	2.36	mg/L	TOTAL	1.389	EPA 1664A	METHOD

Client Sample ID : PLATFORM GINA Laboratory Sample ID : 289614-003

Analyte	Result	Flags	RL	MDL	Units	Basis	IDF	Method	Prep Method
Oil & Grease (HEM)	5.34	J,b	8.62	2.93	mg/L	TOTAL	1.724	EPA 1664A	METHOD

J = Estimated value
b = See narrative

Total Oil & Grease (HEM)			
Lab #:	289614	Location:	Spring 2017 OCS Sampling
Client:	USEPA Region 9, P-3-1	Prep:	METHOD
Project#:	R17N02	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Sampled:	05/02/17
Matrix:	Water	Received:	06/06/17
Units:	mg/L	Prepared:	06/07/17 13:38
Batch#:	248561	Analyzed:	06/07/17 15:00

Field ID	Type	Lab ID	Result	RL	MDL	Diln Fac
PLATFORM EDITH	SAMPLE	289614-001	7.02 J b	8.77	2.98	1.754
PLATFORM GILDA	SAMPLE	289614-002	51.9 b	6.94	2.36	1.389
PLATFORM GINA	SAMPLE	289614-003	5.34 J b	8.62	2.93	1.724
	BLANK	QC888814	ND	5.00	1.70	1.000

J= Estimated value

b= See narrative

ND= Not Detected at or above MDL

RL= Reporting Limit

MDL= Method Detection Limit

Batch QC Report

Total Oil & Grease (HEM)			
Lab #:	289614	Location:	Spring 2017 OCS Sampling
Client:	USEPA Region 9, P-3-1	Prep:	METHOD
Project#:	R17N02	Analysis:	EPA 1664A
Analyte:	Oil & Grease (HEM)	Batch#:	248561
Matrix:	Water	Prepared:	06/07/17 13:38
Units:	mg/L	Analyzed:	06/07/17 15:00
Diln Fac:	1.000		

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC888815	40.00	35.00	88	78-114		
BSD	QC888816	40.00	33.40	84	78-114	5	18

RPD= Relative Percent Difference